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Tuesday, March 9, 1999

To: The Sacramento River Advisory Council

From: David Gallo and Ron Adams



The Research Foundation at California State University, Chico is proposing to do a study measuring the economic impacts of the creation of the Sacramento River Conservation Area (SRCA). The proposal is for a case study of the effects on Glenn County. The Foundation is applying for funding from CALFED for the 1999-2000 year. It is expected that, if the proposal is accepted, work will begin in the fall, 1999 and be completed within a year. The possibility of additional funding from the U.S. Fish and Wildlife Service (USFWS) is also being investigated. If that funding is obtained for the summer of 1999, data collection could begin in June 1999 and preliminary results for the economic cost portion of the study would be available by the end of January 2000.

A study, more limited in scope, was funded by the USFWS for the 1998-1999 year. The study, nearing completion, measures the impact of past land acquisitions in the SRCA on Glenn County's property tax revenues.

The CALFED proposal is for a comprehensive study of the economic impacts that would result from completion of the SRCA meander belt, including land acquisition and habitat restoration. The proposed study will focus on costs and will include:

- The changes in property tax and special district revenues that would result from further land acquisitions by USFWS and the State Wildlife Conservation Board in the SRCA. The methodology used in the USFWS funded study will be applied to all property targeted for acquisition in the portion of the proposed meander belt located in Glenn County.
- The changes in agricultural output and employment that would result from land acquisition and habitat restoration within the proposed meander belt. The estimated impacts will include indirect effects on input suppliers, processors of raw agricultural products, and County revenues. The analysis will be done using an input-output model. Data on agricultural output would be gathered from the CSU, Chico Geographical Information System and the USDA Census of Agriculture.

- Assess the local and regional economic benefits of the creation of the SRCA. In order to quantify the benefits, a more comprehensive study, including extensive fieldwork, would be necessary. However studies have been done for other areas measuring recreational benefits, the value of enhanced wildlife populations, increased local spending by anglers and other visitors, and the water quality benefits of creating a buffer zone to absorb the runoff from agricultural operations. While the results of these studies cannot be used directly to measure the benefits of creating the SRCA, they are indicative of the types and significance of benefits that can be expected.

As part of the proposal preparation process CALFED requires notification of interested organizations including local government entities, environmental groups, and landowner organizations. CALFED also requests that we solicit information from the various groups notified, indicating their support for, or opposition to the project. Letters indicating your group's position on the need for the study described in this letter must be received by April 10, 1999. The due date for proposal submissions is April 16, 1999. Letters can be sent to:

Environmental Resource Program

Research Foundation

CSU, Chico, Kendall Rm. 111

Chico, CA 95929-0870

Many of those receiving this letter were previously aware of the Foundation's intent to submit a proposal for a study of similar design. The Technical Advisory Committee, formed in the spring of 1998, reviewed a proposal for a similar comprehensive economic impact analysis using Glenn County as a case study. The Committee was supportive of the need for such an analysis during the April and June meetings. It is our hope that those receiving this letter will express their support in writing to CALFED.

Sincerely,



March 9, 1999

To: Technical Advisory Committee
From: David Gallo and Ronald Adams
RE: Rough draft of the Glenn County property tax study

We are enclosing a rough draft of the study, funded by the U.S. Fish and Wildlife Service, on the property tax revenue impacts of State and Federal land acquisitions in the Sacramento River Conservation Area. While the presentation is rather sketchy at this point and the conclusions are tentative, we felt that it was a good time to submit what we have done to the Committee for comment. Any comments about omissions, language, clarity (or lack thereof) of the presentation on the model's structure, appropriateness of assumptions used in the model, or other aspects of the preliminary draft would be appreciated. Where possible your comments will be incorporated into the final draft.

We would like to schedule a meeting with the Committee to discuss the draft and proposed changes. A location in Willows would probably be convenient for the majority of Committee members. In order to complete the study as soon as possible we would prefer a meeting date during the week of March 22-26. That would give us enough time to refine the model results. Hopefully, it would also give the Committee members sufficient time to submit comments on the draft document.

Comments may be submitted by mail to:

David Gallo
Department of Economics
CSUC
Chico, CA 95929-0430

Or, emailed to:

DEGallo@mesquite.csuchico.edu

TECHNICAL ADVISORY COMMITTEE

- John Benoit- Director of Resource Planning and Development for Glenn County
- Denny Bungarz- Member of the Glenn County Board of Supervisors, District 4
- Burt Bundy- Chair of the SB1086 Committee
- Ramon Vega- U.S. Fish and Wildlife Service
- Vincent Minto- Glenn County Assessor

- The Nature Conservancy
- John Merz- Sacramento River Preservation Trust
- John Carlon- Sacramento River Partners

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Introduction

The purpose of this study is examine the impacts on local property tax revenues of Federal and State land acquisitions along the Sacramento River. Land is being purchased from private owners for various purposes including habitat preservation and restoration. Local government officials have expressed concerns that converting privately held lands to government ownership will erode the tax base.

Scope of the Study

Loss of property tax revenues is but one of the economic issues concerning local officials. As land is removed from agricultural production for habitat restoration or other purposes not resulting in marketable output, the consequences may include reduced local GDP, employment, and other sources of local government revenue. Although these additional economic impacts are of concern to local decision makers, they are beyond the scope of this study. The study is limited to the examination of the impacts of government land acquisition on property tax and special district revenues.

While this study does not examine all potential costs to local economies, it includes none of the potential benefits associated with the programs driving the government land acquisition process.

Possible benefits include reduced flood damage to lands remaining in private ownership, increased ground water recharge, reduced runoff of agricultural chemicals into the Sacramento River, and enhanced wildlife habitat. Some of these may provide direct benefits to the local economy. For example, if habitat improvements lead to an increase in fish populations and thus an influx of anglers, the additional local spending could boost local economic activity and sources of local government revenue, particularly sales taxes.

It is not within the scope of this study to estimate the magnitude of benefits. In fact the results in no way presume that measurable benefits exist. Any costs to the local economy beyond direct impacts on property tax revenues are also outside the purview of this study. Therefore it is important that the reader not assume that the study results are indicative of the costs and benefits of habitat restoration, environmental preservation, or any other program goal.

The study is limited to land acquisitions within Glenn County, California. The decision to focus on a single county was based on funding limitations, while the particular choice of Glenn County was due to a combination of local interest and a willingness of local officials to assist in data collection and other aspects of the study. However, the results should be applicable to other counties along the Sacramento River.

Methodology

Property valuation

The target area for the study is land adjacent to the Sacramento River in Glenn County. Land acquisitions included in the study are those properties subject to potential flooding from the River. Therefore parcels include only those from assessor map books 13, 15, 16, 19, 23, 32, and 37. The sample of properties acquired by the State and Federal governments is further limited to those purchased between 1980 and 1998. This additional restriction eliminates very few properties from consideration (less than 10% of the acquired properties) and was necessary due to the difficulty of determining pre-sale values.

The values for acquired properties were determined prior to sale to the respective Federal or State agency. In cases where the Nature Conservancy purchased property from a private owner and then sold it to a government entity within a year, the assessed value prior to the initial sale was used. Each parcel value and the base year for appraisal were found in the Assessors Master Lists. In the case where a parcel was split prior to sale, but the entire parcel was sold to the State or Federal government, the value of land and improvements was allocated to the portions of the original parcel based on relative acreage. Where a portion of the original parcel remained in private ownership, the appraisal value of the privately held parcel was subtracted from the value of the entire parcel to determine the value of the part purchased by the government agency.

The prices paid by the State and Federal governments were determined from two separate sources. For State property acquisitions the purchase price is equal to the current valuation on the invoice for in lieu taxes paid to the County. For properties purchased by the Federal government the prices paid were found on the sale documents from the County Records Office. In the one case where the Nature Conservancy purchased a property and did not resell it to a State or Federal entity, the purchase price was obtained from the Assessor's Master Lists, the source of appraised values for all privately held parcels.

Property Tax Payments

The purpose of the study is to compare Federal and State in lieu payments to the property taxes that would have been paid had the acquired lands remained in private ownership. In the case of the State, in lieu payments are calculated as the product of the original price paid for the property and the applicable tax rate for the particular tax rate area. The in lieu taxes paid by the State on any parcel remain constant over time. This is because the State does not re-appraise properties and does not change the tax rate even if the rate changes for the appropriate tax rate area.

The Federal government computes in lieu taxes owed to counties at three-quarters of a percent of the appraised value. The initial appraised value is equal to the purchase price, but unlike the State, the Federal government re-appraises

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its holdings every five years. Therefore, in any year the Federal in lieu owed the County is three-quarters of a percent of the current appraised value. However, the actual amount the County receives depends on the Federal budgetary process and has been as little as sixty-five percent of the amount owed.

For a privately held parcel property taxes paid are the product of the assessed value and the tax rate for the particular tax rate area. The assessed value is generally equal to the purchase price adjusted for changes such as improvements and inflation. The annual inflation adjustment is equal to the increase in the California CPI up to two percent. The inflation adjustment is from the base year appraisal (1975 is the base year for all properties purchased prior to that year); that is, the value in the year the current owner purchased the property.

The Model

A spreadsheet model is used to compute the property taxes paid under Federal, State, and private ownership. For properties acquired by the State or Federal government, property taxes are computed assuming the land had remained in private ownership. The assessed value used to calculate hypothetical property taxes paid is the base year value adjusted by two percent per year for inflation. Reappraisal is assumed to occur at resale and model runs are made for resale frequencies ranging from ten to twenty years. The real rate of increase in land values is equal to the average annual increase in California farmland values for the 1980-1998 period less the average annual inflation rate. The rate of increase in land prices and thus appraised value, for properties transferred between private parties, is equal to the sum of the real rate of increase in farmland prices and the assumed future rate of inflation.

For properties acquired by the Federal government, the projected in lieu taxes will be computed based on the purchase price, the tax rate, the percentage of in lieu actually paid, and the values determined by periodic re-appraisal. In lieu taxes paid for the five year period following purchase equal the price paid times three-quarters of a percent times the percent of in lieu actually paid. Since the latter has generally varied between seventy and eighty percent, separate projections will be done for each value. Five years following the initial public purchase, the appraised value of the land is increased to reflect its then current market value. The adjustment in market value is accomplished using the adjustment factor described above for privately held lands. The re-appraisal process continues in the same manner at five year intervals and Federal in lieu payments to Glenn County are computed according to the formula described at the beginning of this paragraph.

In lieu taxes paid by the State are constant over time and are the product of the tax rate and the initial purchase price of the property. Therefore, for State land acquisitions no adjustments for re-appraisal or changes in tax rate areas are necessary and first year and nth year payments are identical.

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Some of the public land acquisitions include property with improvements. The improvements, which under private ownership are taxed at the same rate as are land values, may include structures, orchard trees, etc.. Since agricultural production is not the intended purpose of public land acquisitions, it is reasonable to assume that these improvements will be allowed to depreciate over time. The decrease in the value of improvements has no effect on State in lieu paid as the value is frozen at the initial purchase price. But in the case of Federal holdings, the amount of the periodic re-appraisal will be affected by the depreciation. For purposes of this study we will separately consider straight-line depreciation over a ten year and a twenty year period for all improvements on Federally held property. The amount of depreciation is deducted from the escalation in the value of unimproved land to determine the increase in the base for in lieu payments at the point of re-appraisal. In the case of land remaining in private ownership (no transfer to Federal ownership), it is assumed that the improvements are maintained and rise in value at the rate of increase in the California CPI.

Allocation of Property Tax Revenues

While the total amount of property tax or in lieu revenues are important to the County, whether they are paid into the County General Fund or the State School Fund is also an important consideration. In the case of privately held lands the tax rate in excess of one percent of assessed value is paid to special districts. Of the remaining one percent of assessed value, eighty percent goes to the school fund and twenty percent goes to the general fund. For State in lieu paid to the County, one hundred percent goes to the general fund. Federal in lieu, by contrast, is allocated in the same manner as property taxes paid on privately held parcels.

As a result of the differences in allocating in lieu payments to the various County funds, the model examines the impact on each of the funds separately.

Federal, State, and private ownership are examined in terms of the impact on general fund, schools, and special district revenues.

Model Output

The projections of County property tax or in lieu revenues are presented in several forms. Revenues from Federal in lieu payments are compared with property tax revenues from hypothetical continued private ownership of the Federally held properties. Revenues from State in lieu payments similarly are compared to the property tax revenues that would accrue to the County under continued private ownership. The comparisons are made separately for the general fund, schools, and special districts. Comparative payments to the three funds are presented for ten, twenty, and thirty years into the future. The present value of the future revenues is also calculated for each ownership category to provide a consistent basis for long term comparisons.

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Where the value of critical variables cannot be reliably determined from available data, a sensitivity analysis is performed by making separate runs for two or more values, covering the range of probable values, and then comparing the results. Frequency of sale for privately held properties, the rate of depreciation for improvements on Federally held lands, the general rate of inflation, the ratio of Federal in lieu payments made to the amount due, and the discount rate are the key variables for which sensitivity analyses are performed.

Public Participation

Technical Advisory Committee

- John Benoit- Director of Resource Planning and Development for Glenn County
- Denny Bungarz- Member of the Glenn County Board of Supervisors, District 4
- Burt Bundy- Chair of the SB1086 Committee
- Ramon Vega- U.S. Fish and Wildlife Service
- Vincent Minto- Glenn County Assessor
- The Nature Conservancy
- John Merz- Sacramento River Preservation Trust
- John Carlon- Sacramento River Partners

The Technical Advisory Committee participated in the design and proposal writing phases of the study. During the time that work was accomplished we had two meetings with the Committee. At the April, 1998 meeting the members present offered suggestions as to what elements they would like to see included in the study. A rough draft of the proposal was mailed to the members for comment. A second meeting was held in June, 1998 to discuss the members' response to the rough draft and to consider the appropriate structure of an expanded economic impact analysis. A revised proposal was e-mailed to the Committee members on June 22, 1998. The comments received were incorporated into the final proposal.

During the data collection phase, Vince Minto, the Glenn County Assessor, and his staff provided assistance in determining the values of various privately held parcels, the methods for computing State and Federal in lieu payments to the County, and invaluable assistance in other key areas. In January and February of 1999 we made eight separate trips to the County offices in Willows for data collection and consultation with County staff members.

A rough draft of the study was completed in March, 1999 and sent to each of the members of the Advisory Committee for comment. That was followed by a meeting to discuss changes and additions suggested by Committee members.

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Study Results

The preliminary results of the spreadsheet model are contained on the following pages. The runs were for a narrow range of assumptions and do not include all of the possibilities that will be included in the final version. The only variable for which the sensitivity of the results is tested is the real rate of increase in farm land values. For that variable values of zero, one, and 1.57 percent annual real increases are used, corresponding to actual increases of three, four, and 4.57 percent per year respectively.

The remaining assumptions are listed on the cover sheet for each run of the spreadsheet model. At the bottom of each page titled "assumptions" are the results of the run. For example, for the model run using 1.57 percent annual real increase in farmland values (based on the 1954-1995 rate of increase for the U.S.), the present value of payments to the general fund for properties held by the DFG are \$704,314. If those same properties had remained in private ownership, the present value of the property tax revenues to the County General Fund would have been \$295,566. For Federal ownership under the USFWS, the present value of property tax revenues is lower than it would have been under continued private ownership. The present value of Federal in lieu paid (assuming payment of 80% of the amount due) to the County is \$466,056, whereas continued private ownership of those same properties would have generated property tax revenues with a present value of \$636,623.

For the model runs using lower assumed real escalation in farmland values, the advantage of State in lieu payments over private property tax payments to the general fund is larger. This is because the basis for determining State in lieu is the original purchase price, while private property tax payments rise with the increase in land values. However, the proportionate loss due to Federal ownership is roughly the same in all cases and does not appear to be sensitive to the assumption regarding the real farmland escalation rate.

Current Owner										Previous Owner										
APN	Num	Acres	Recording Date	Assessment Year	Value	Tax Check	Improvements	Taxes	Tax Rate	Tax Area	AD Year	Assessment 8Y Year	Value	Land	Improvements	Taxes	Tax Rate	Transfer To New	Acquired Tax Year	
372120119	Ame	14.10	04/01/96		Off		45074	0.00		56002	88	87	42355	15835	26520		1.040	04/01/96	95	
371600130	Ame	13.30	11/01/94		Off		15295	0.00		56002	88	75	4626	2706	1920		1.040	11/01/94	94	
371600120	Ame	50.06	11/01/94		Off		67569	0.00		56002	88	75	17114	10187	7227		1.040	11/01/94	94	
322800159	Ame	24.37	09/01/96		Off		53266	0.00		68002	88	83	89207	44809	44398		1.040	1988	88	
322200059	Ame	11.84	04/01/96		Off		37850	0.00		68002	88	87	2407	2407	0		1.040	04/01/96	95	
322200049	Ame	38.50	04/01/96		Off		123076	0.00		68002	88	87	82317	39987	42330		1.040	04/01/96	95	
230500169	Ame	111.37	05/01/95	was 10.8	Off		371500	0.00		78006	88	75	23604	23604	0		1.040	05/01/95	94	
131800450	Ame	4.14	11/01/94		Off		11357	0.00			92	92	4116	4116	0	Check Tax Rat	1.000	11/01/94	92	
131800170	Ame	319.62	11/01/94		Off		876807	0.00		81023	92	92	682854	317796	365058		1.000	12/01/93	11/1/94	
131600229	Ame	72.02	01/01/90	05/01/98	Off		245000	0.00		81004	97	91	154752	86978	67774		1.000	01/01/90	5/1/98	
131400250	Ame	167.60			Off		459180	0.00		81023	94	82	174821	80215	84606		1.000	1994	94	
131400220	Ame	0.19	11/01/94		Off		521	0.00		81023	94	82	197	102	95		1.000	11/01/94	94	
131400210	Ame	0.06	11/01/94		Off		165	0.00		81023	94	82	62	32	30		1.000	11/01/94	94	
131400209	Ame	0.84			Off		2349	0.00			93	82	669	346	323	Check Tax Rat	1.000	1993	93	
131400190	Ame	173.91	11/01/94		Off		477083	0.00		81023	94	82	181409	93617	87792		1.000	11/01/94	94	
131400039	Ame	296.95	01/01/99	05/01/98	Off		953670	0.00		81023	97	75	757051	341387	415664		1.000	1/1/90	5/1/98	
131400029	Ame	8.00	01/01/90	05/01/98	Off		68430	0.00		81027	97	75	46388	20483	25905		0.996	1/1/90	5/1/98	
371100399	Calif	127	7/1/86	1986			45710	505.55	1.106		88	76	6438	6438	0	Check Tax Rat	1.000	1988	88	
371000399	Calif	158.45	7/1/86	1986			45085	498.64	1.106		88	76	8039	8039	0	Check Tax Rat	1.000	1988	88	
323000119	Calif	101.68	11/07/91	1991			126888	1320.90		68002	90	87	108375	94342	14033		1.040	11/01/91	90	
323000069	Calif	81.41	11/12/87	1987			17191	179.99		68002	87	84	17191	17191	0		1.040	11/01/87	87	
323000029	Calif	72.07	04/14/92	1991			69843	727.07		68002	89	75	67132	46877	20255		1.040	04/01/92	91	
322800149	Calif	57.66	11/07/91	1991			64362	670.01		68002	90	87	70639	61620	9019		1.040	08/01/91	11/1/91	
322800139	Calif	286.72	11/1/87	1985			14329	149.24		149.24	1.042	86	78	13409	13409	0	Check Tax Rat	1.000	1986	88
322800110	Calif	23.00	11/01/87	1987			8119	85.01		85.01	1.047	86	83	7710	5449	2261		1.040	11/01/87	88
322800070	Calif	22.16	04/01/86	1985			5970	62.09		1.040	68002	86	83	7428	5250	2178		1.040	04/01/86	86
322700050	Calif	62.79	04/01/86	1985			3402	35.38		1.040	68002	85	75	3402	3402	0		1.040	04/01/86	85
322400109	Calif	4.20	12/01/87	1987				0.00		68002	86	75	5039	5039	0		1.040	12/01/87	86	
322400099	Calif	0.72	12/01/87	1987				0.00		68002	86	75	64	64	0		1.040	12/01/87	86	
193100020	Calif	112.18	09/25/91	1991			10245	106.96	Check		164.82	1.044	84043	85	75	14147	14147	0	1.014	09/01/91
190400359	Calif	23.12	06/28/89	1988			2982	31.07			31.22	1.042	84043	88	75	2982	2982	0	1.014	06/01/89
190300259	Calif	76.73	06/28/89	1988			26773	280.31			280.31	1.047	84043	88	75	26773	22677	4096	1.014	11/01/87
162900129	Calif	8.83	02/27/91	1990			6508	67.29	Check		171.27	1.034	81023	85	83	8648	8648	0	1.000	02/01/91
162900099	Calif	73.90	02/27/91	1990			91331	944.36	Check		2551.41	1.034	81023	85	83	66365	66365	0	1.000	02/01/91
162900070	Calif	4.80	02/27/91	1990			1326	13.71			13.70	1.034	81023	90	90	1326	1326	0	1.000	05/01/89
160600029	Calif	10.84	08/26/91	1991			2121	22.10			22.08	1.042	81023	90	89	2080	2080	0	1.000	08/01/91
160500059	Calif	116.96	08/26/91	1991			103465	1078.11			1078.08	1.042	81023	90	89	101438	89994	11444	1.000	08/01/91
160200290	Calif	94.11	04/14/92	1991			49242	513.10			513.10	1.042	81023	91	80	49242	49242	0	1.000	04/01/92
150800229	Calif	368.26	04/30/90	1989			291368	2980.69			2980.69	1.023	81042.04	88	75	243340	241648	1692	1.000	04/01/90
150800219	Calif	80.44	04/04/91	1990			79885	826.01			826.01	1.034	81042.04	88	75	53154	52784	370	1.000	04/01/91
150800119	Calif	338.17	04/30/90	1989			339600	3474.11			3474.11	1.023	81045	89	79	339600	339600	0	1.000	04/01/90
150800109	Calif	53.62	04/30/90	1989			63600	650.63			650.63	1.023	81045	89	79	63600	63600	0	1.000	04/01/90
150800099	Calif	31.67	04/30/90	1989			34202	349.89			349.89	1.023	81045	89	75	32099	32099	0	1.000	04/01/90
150700179	Calif	329.93	04/04/91	1990			371282	3839.06			3839.05	1.034	81045	88	82	462112	346834	115278	1.000	04/01/91
150700169	Calif	20.28	07/01/92	1992			126977	1324.37			1324.39	1.043	81045	88	82	28405	21310	7086	1.000	07/01/92
150700159	Calif	81.86	04/04/91	1990			102700	1050.62			1050.58	1.023	81045	88	82	86054	86054	0	1.000	04/01/90
150700089	Calif	8.92	04/04/91	1990			432	4.42			4.47	1.023	81007	90	75	432	432	0	1.000	04/01/91
150700079	Calif	194.52	04/04/91	1990			219454	2245.01			2269.14	1.023	81043	90	75	219454	219454	0	1.000	04/01/91
150700069	Calif	106.28	04/04/91	1990			349899	3579.47			3617.94	1.023	81045	90	75	128641	127300	1341	1.000	04/01/91
150700059	Calif	151.16	11/01/93	1993			245349	2495.20			2495.20	1.017	81043	93	91	245349	240575	4774	1.000	11/01/93
150600079	Calif	622.16	04/04/91	1990			640183	6619.49			6619.48	1.034	81043	90	75	640183	623722	16461	1.000	04/01/91
150600059	Calif	284.90	11/01/93	1993			406971	4138.90			4138.90	1.017	81043	93	91	406971	402197	4774	1.000	11/01/93
150500129	Calif	90.00	11/01/93	1993			23877	242.83			242.83	1.017	81043	93	91	23877	23877	0	1.000	11/01/93
150400119	Calif	100.00	11/01/93	1993			168517	1713.82			1713.82	1.017	81043	93	91	168517	164061	4456	1.000	11/01/93
150200069	Calif	90.00	11/01/93	1993			145596	1480.71			1480.71	1.017	81068	93	91	145596	145596	0	1.000	11/01/93
131600179	Calif	94.40	07/03/91	1991			49000	510.58			510.58	1.042	81004	90	75	33600	33600	0	1.000	07/01/91
131600169	Calif	7.90	07/03/91	1991			2000	20.84			20.84	1.042	81004	90	75	2154	2154	0	1.000	07/01/91
131400169	Calif	45.03	04/18/91	1990			21193	219.14			219.14	1.034	81023	91	75	22480	22480	0	1.000	04/01/91
131400060	Calif	23.30	07/01/94	1994			0	0.00			0.00	0.000	81023	93	85	47445	43934	3511	1.000	7/1/94

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Current Owner

Previous Owner

APN	Loc	Acres	Recording Date	Assessment Year	Value	Tax Check	Improvements	Taxes	Tax Rate	Tax Rate	Area	AD Year	Assessment BY Year	Value	Land	Improvements	Taxes	Tax Rate	Transfer To Now	Acquired Tax Year
130300039	Calif	147.96	04/30/90	1989	156952	1605.62		1601.94	1.023	81045	89	79	156592	156592		0		1.000	4/1/90	89
130300029	Calif	355.09	04/30/90	1989	324763	3322.33		3322.32	1.023	81046	89	75	324763	315518		9245		1.000	4/1/90	89
130200079	Calif	133.90	04/30/90	1989	126780	1296.96		1296.96	1.023	81045	89	79	126780	126780		0		1.000	4/1/90	89
130200069	Calif	18.43	04/30/90	1989	1902	19.46		19.46	1.023	81045	89	81	1902	1902		0		1.000	4/1/90	89
130200059	Calif	290.25	04/30/90	1989	280142	2865.85		2865.85	1.023	81045	89	75	280142	278000		2142		1.000	4/1/90	89
130200049	Calif	36.00	04/30/90	1989	31990	327.28		327.28	1.023	81046	89	75	31990	28309		3681		1.000	4/1/90	89
151600119	Natu	119.90	07/01/94	1997	377200	3772.00		3772.00	1.000	81004	88	88	193290	60180		133110		1.000	07/01/94	11/01/97
151600019	Natu	314.50	11/01/97	1997	822800	8228.00		8228.00	1.000	81004	88	88	482970	166260		316710		1.000	07/01/94	88
131400260	Natu	20.90	12/01/96	1996	19247	192.47	0	192.47	1.000	81004	95	82	11245	11245		0		1.000	12/01/96	94

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3788092
 5299505
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2264249 1094607 1169642
 4903099 4665002 238097
 687505 237685 449820

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Assumptions

Assumptions

Land Value Increase real 1.57%
 Predicted Inflation Rate 3.00%
 Nominal Increase Land 4.62%

Land Value Increase tax purposes

Pre 1998 2.00%
 1999 1.60% used ?
 Prop 13 property increase 2.00%

Depreciation Federal Improvements
 Years 20

Federal lands reappraised 5 year cycle

Last reappraisal 1995
 95

Years to Revalue Federal properties 5
 Percent escalation 4.62%

Federal In Lieu percent 0.75%

Federal Payment of in lieu percent 80.00%

Percent tax 1.000% not used
 Percent discount 8.000%

Special District 0.040% not used

Years to Revalue private properties 20 has to be >2
 Percent escalation 4.62%
 Past years since revalue 50.00% 10.00
 Start Year 1998
 98

Real Interest Rate 3.80%
 Predicted Inflation Rate 3.00%
 Nominal Interest Rate 6.91%
 Property Tax Rate 1.00%
 Capitalization Rate 7.98%

U S Land Value Per acre

1954 60 26.9
 1995 644 152.4

41 10.7333333 5.665427509
 0.024 1.059594923 1.04320949

Land/CPI Real Increase Land
 1.02 1.571%

Present Value

Taxes

Private 1,477,829
 Calif 704,314

Private 636,623
 America 466,056

General Fund
 295,566

Private

	Property Value	Tax	Schools	Special Districts	County General Fund
1999	5880869	58956	47047	147	11762
2000	5998486	60135	47988	150	11997
2001	6118456	61338	48948	153	12237
2002	6240825	62564	49927	156	12482
2003	6365642	63816	50925	159	12731
2004	6492955	65092	51944	162	12986
2005	6622814	66394	52983	166	13246
2006	6755270	67722	54042	169	13511
2007	6890375	69076	55123	172	13781
2008	9054576	90772	72437	226	18109
2009	9235667	92588	73885	231	18471
2010	9420381	94439	75363	236	18841
2011	9608788	96328	76870	240	19218
2012	9800964	98255	78408	245	19602
2013	9996983	100220	79976	250	19994
2014	10196923	102224	81575	255	20394
2015	10400862	104269	83207	260	20802
2016	10608879	106354	84871	265	21218
2017	10821056	108481	86588	271	21642
2018	11037477	110651	88300	276	22075
2019	11258227	112864	90066	282	22516
2020	11483392	115121	91867	287	22967
2021	11713059	117424	93704	293	23426
2022	11947321	119772	95579	299	23895
2023	12186267	122167	97490	305	24373
2024	12429992	124611	99440	311	24860
2025	12678592	127103	101429	317	25357
2026	12932164	129645	103457	323	25864
2027	13190807	132238	105526	330	26382
2028	22331693	223875	178654	559	44663
2029	22778327	228353	182227	570	45557
2030	23233894	232920	185871	581	46468

State of California

Property Value	Tax	Schools	Special Districts	County General Fund	Surplus or Deficit General Fund
5299506	56345		3350	52995	41233
5299506	56345		3350	52995	40998
5299506	56345		3350	52995	40758
5299506	56345		3350	52995	40513
5299506	56345		3350	52995	40264
5299506	56345		3350	52995	40009
5299506	56345		3350	52995	39749
5299506	56345		3350	52995	39485
5299506	56345		3350	52995	39214
5299506	56345		3350	52995	34886
5299506	56345		3350	52995	34524
5299506	56345		3350	52995	34154
5299506	56345		3350	52995	33777
5299506	56345		3350	52995	33393
5299506	56345		3350	52995	33001
5299506	56345		3350	52995	32601
5299506	56345		3350	52995	32193
5299506	56345		3350	52995	31777
5299506	56345		3350	52995	31353
5299506	56345		3350	52995	30920
5299506	56345		3350	52995	30479
5299506	56345		3350	52995	30028
5299506	56345		3350	52995	29569
5299506	56345		3350	52995	29100
5299506	56345		3350	52995	28623
5299506	56345		3350	52995	28135
5299506	56345		3350	52995	27638
5299506	56345		3350	52995	27131
5299506	56345		3350	52995	26613
5299506	56345		3350	52995	8332
5299506	56345		3350	52995	7438
5299506	56345		3350	52995	6527

Private						America United States of						Surplus or Deficit ()
Year	Property Value	Tax	Schools	Special Districts	County General Fund	Property Value	Tax	Schools	Special Districts	County General Fund		
1999	2506038	25189	20048	128	5012	3515859	21095	16790	107	4198	(815)	
2000	2556158	25692	20449	131	5112	3877325	23864	18994	122	4748	(364)	
2001	2607282	26206	20858	134	5215	3890572	23343	18580	119	4645	(570)	
2002	2659427	26730	21275	136	5319	3803818	22823	18165	116	4541	(778)	
2003	2712616	27265	21701	139	5425	3717065	22302	17751	114	4438	(987)	
2004	2766868	27810	22135	142	5534	3630311	21782	17337	111	4334	(1200)	
2005	2822205	28367	22578	145	5644	4230576	25383	20203	129	5051	(594)	
2006	2878649	28934	23029	147	5757	4143822	24863	19789	127	4947	(810)	
2007	2936222	29513	23490	150	5872	4057069	24342	19375	124	4844	(1029)	
2008	3858462	38782	30868	198	7717	3970315	23822	18960	121	4740	(2977)	
2009	3935631	39558	31485	202	7871	3884887	23309	18552	119	4638	(3233)	
2010	4014343	40349	32115	206	8029	4660417	27963	22256	142	5564	(2465)	
2011	4094630	41156	32757	210	8189	4574989	27450	21848	140	5462	(2727)	
2012	4176523	41979	33412	214	8353	4489561	26937	21440	137	5360	(2993)	
2013	4260053	42819	34080	218	8520	4427570	26565	21144	135	5286	(3234)	
2014	4345254	43675	34762	223	8691	4365636	26194	20848	133	5212	(3478)	
2015	4432160	44549	35457	227	8864	5406821	32441	25821	165	6455	(2409)	
2016	4520803	45440	36166	232	9042	5373646	32242	25662	164	6416	(2626)	
2017	4611219	46348	36890	236	9222	5340471	32043	25504	163	6376	(2847)	
2018	4703443	47275	37628	241	9407	5340471	32043	25504	163	6376	(3031)	
2019	4797512	48221	38380	246	9595	5340471	32043	25504	163	6376	(3219)	
2020	4893462	49185	39148	251	9787	6692571	40155	31961	205	7990	(1797)	
2021	4991332	50169	39931	256	9983	6692571	40155	31961	205	7990	(1992)	
2022	5091158	51172	40729	261	10182	6692571	40155	31961	205	7990	(2192)	
2023	5192981	52196	41544	266	10386	6692571	40155	31961	205	7990	(2396)	
2024	5296841	53240	42375	271	10594	6692571	40155	31961	205	7990	(2604)	
2025	5402778	54304	43222	277	10806	8386995	50322	40052	256	10013	(792)	
2026	5510833	55391	44087	282	11022	8386995	50322	40052	256	10013	(1009)	
2027	5621050	56498	44968	288	11242	8386995	50322	40052	256	10013	(1229)	
2028	9516291	95650	76130	487	19033	8386995	50322	40052	256	10013	(9019)	
2029	9706617	97563	77653	497	19413	8386995	50322	40052	256	10013	(9400)	
2030	9900749	99515	79206	507	19801	10510412	63062	50193	321	12548	(7253)	
2031	10098764	101505	80790	517	20198	10510412	63062	50193	321	12548	(7649)	

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Assumptions

Assumptions

Land Value Increase real	1.00%
Predicted Inflation Rate	3.00%
Nominal Increase Land	4.03%

Land Value Increase tax purposes

Pre	1998	2.00%	
	1999	1.80%	used ?
Prop 13 property increase		2.00%	

Depreciation Federal Improvements	
Years	20

Federal lands reappraised 5 year cycle

Last reappraisal	1995
	95
Years to Revalue Federal properties	5
Percent escalation	4.03%
Federal In Lieu percent	0.75%
Federal Payment of in lieu percent	80.00%

Percent tax	1.000%	not used
Percent discount	8.000%	

Special District	0.040%	not used
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Years to Revalue private properties	20	has to be >2
Percent escalation	4.03%	
Past years since revalue	50.00%	10.00
Start Year	1998	
	98	

Real Interest Rate	3.80%
Predicted Inflation Rate	3.00%
Nominal Interest Rate	6.91%
Property Tax Rate	1.00%
Capitalization Rate	7.98%

U S				
	Land Value Per acre	CPI		
1954	60	26.9		
1995	644	152.4		
41	10.73333333	5.665427509	Land/CPI	Real Increase Land
0.024	1.059594923	1.04320949	1.02	1.571%

Present Value	Taxes		
	Total		General Fund
	Private	1,314,882	262,976
	Calif	704,314	
	Private	563,777	
	America	397,161	

Private						America United States of						Surplus or
Year	Property Value	Tax	Schools	Special Districts	County General Fund	Property Value	Tax	Schools	Special Districts	County General Fund	General Fund	Deficit ()
1999	2506038	25189	20048	128	5012	3501116	21007	16720	107	4180		(832)
2000	2556158	25692	20449	131	5112	3884072	23304	18549	119	4637		(475)
2001	2607282	26206	20858	134	5215	3797318	22784	18134	116	4534		(681)
2002	2659427	26730	21275	136	5319	3710565	22263	17720	113	4430		(889)
2003	2712616	27265	21701	139	5425	3623811	21743	17306	111	4326		(1099)
2004	2766868	27810	22135	142	5534	3537058	21222	16891	108	4223		(1311)
2005	2822205	28367	22578	145	5644	4022602	24136	19210	123	4803		(842)
2006	2878649	28934	23029	147	5757	3935848	23615	18796	120	4699		(1058)
2007	2938222	29513	23490	150	5872	3849095	23095	18382	118	4595		(1277)
2008	3647316	36660	29179	187	7295	3762341	22574	17967	115	4492		(2803)
2009	3720282	37393	29762	191	7441	3676913	22061	17559	112	4390		(3051)
2010	3794668	38141	30357	194	7589	4288777	25733	20481	131	5120		(2469)
2011	3870561	38904	30964	198	7741	4203349	25220	20073	129	5018		(2723)
2012	3947972	39682	31584	202	7896	4117921	24708	19665	126	4916		(2980)
2013	4026932	40476	32215	206	8054	4055931	24336	19369	124	4842		(3212)
2014	4107470	41285	32860	210	8215	3993997	23964	19074	122	4768		(3447)
2015	4189620	42111	33517	215	8379	4805834	28835	22950	147	5738		(2642)
2016	4273412	42953	34187	219	8547	4772659	28636	22792	146	5698		(2849)
2017	4358880	43812	34871	223	8718	4739484	28437	22634	145	5658		(3059)
2018	4446058	44688	35568	228	8892	4739484	28437	22634	145	5658		(3234)
2019	4534979	45582	36280	232	9070	4739484	28437	22634	145	5658		(3412)
2020	4625679	46494	37005	237	9251	5774629	34648	27577	177	6894		(2357)
2021	4718192	47424	37746	242	9436	5774629	34648	27577	177	6894		(2542)
2022	4812556	48372	38500	246	9625	5774629	34648	27577	177	6894		(2731)
2023	4908807	49339	39270	251	9818	5774629	34648	27577	177	6894		(2923)
2024	5006983	50326	40056	258	10014	5774629	34648	27577	177	6894		(3120)
2025	5107123	51333	40857	262	10214	7035858	42215	33600	215	8400		(1814)
2026	5209265	52359	41674	267	10419	7035858	42215	33600	215	8400		(2019)
2027	5313451	53407	42508	272	10627	7035858	42215	33600	215	8400		(2227)
2028	8037951	80791	64304	412	16076	7035858	42215	33600	215	8400		(7676)
2029	8198710	82407	65590	420	16397	7035858	42215	33600	215	8400		(7997)
2030	8362684	84055	66901	428	16725	8572551	51435	40939	262	10235		(6491)
2031	8529938	85736	68240	437	17060	8572551	51435	40939	262	10235		(6825)

Assumptions

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Assumptions

Land Value Increase real 0.00%
 Predicted Inflation Rate 3.00%
 Nominal Increase Land 3.00%

Land Value Increase tax purposes

Pre 1998 2.00%
 1999 1.60% used ?
 Prop 13 property increase 2.00%

Depreciation Federal Improvements
 Years 20

Federal lands reappraised 5 year cycle

Last reappraisal 1995
 95

Years to Revalue Federal properties 5
 Percent escalation 3.00%

Federal In Lieu percent 0.75%

Federal Payment of in lieu percent 80.00%

Percent tax 1.000% not used
 Percent discount 8.000%

Special District 0.040% not used

Years to Revalue private properties 20 has to be >2
 Percent escalation 3.00%
 Past years since revalue 50.00% 10.00
 Start Year 1998
 98

Real Interest Rate 3.80%
 Predicted Inflation Rate 3.00%
 Nominal Interest Rate 6.91%
 Property Tax Rate 1.00%
 Capitalization Rate 7.98%

U S Land Value Per acre		CPI		
1954	60	26.9		
1995	644	152.4		
41	10.73333333	5.665427509	Land/CPI	Real Increase Land
0.024	1.059594923	1.04320949	1.02	1.571%

Present Value	Taxes	Total	General Fund
	Private Calif	1,114,530	222,906
	Private America	476,564	
		315,626	0.66

		CPI		
1970	479	39		
1997	2510	159.1		
27	5.240083507	4.079487179	Land/CPI	Real Increase Land
0.037	1.063266561	1.053452653	1.01	0.932%

Private

	Property Value	Tax	Schools	Special Districts	County General Fund
1999	5880869	58956	47047	147	11762
2000	5998486	60135	47988	150	11997
2001	6118456	61336	48948	153	12237
2002	6240825	62564	49927	156	12482
2003	6365642	63816	50925	159	12731
2004	6492955	65092	51944	162	12986
2005	6622814	66394	52983	166	13246
2006	6755270	67722	54042	169	13511
2007	6890375	69076	55123	172	13781
2008	7748428	77678	61987	194	15497
2009	7903396	79232	63227	198	15807
2010	8061464	80816	64492	202	16123
2011	8222694	82433	65782	206	16445
2012	8387147	84081	67097	210	16774
2013	8554890	85763	68439	214	17110
2014	8725988	87478	69808	218	17452
2015	8900508	89228	71204	223	17801
2016	9078518	91012	72628	227	18157
2017	9260088	92832	74081	232	18520
2018	9445290	94689	75562	236	18891
2019	9634196	96583	77074	241	19268
2020	9826880	98515	78615	246	19654
2021	10023418	100485	80187	251	20047
2022	10223886	102495	81791	256	20448
2023	10428364	104544	83427	261	20857
2024	10636931	106635	85095	266	21274
2025	10849669	108768	86797	271	21699
2026	11066663	110943	88533	277	22133
2027	11287996	113162	90304	282	22576
2028	13994522	140295	111956	350	27989
2029	14274413	143101	114195	357	28549
2030	14559901	145963	116479	364	29120

State of California

Property Value	Tax	Schools	Special Districts	County General Fund	Surplus or Deficit General Fund
5299506	56345		3350	52995	41233
5299506	56345		3350	52995	40998
5299506	56345		3350	52995	40758
5299506	56345		3350	52995	40513
5299506	56345		3350	52995	40264
5299506	56345		3350	52995	40009
5299506	56345		3350	52995	39749
5299506	56345		3350	52995	39485
5299506	56345		3350	52995	39214
5299506	56345		3350	52995	37498
5299506	56345		3350	52995	37188
5299506	56345		3350	52995	36872
5299506	56345		3350	52995	36550
5299506	56345		3350	52995	36221
5299506	56345		3350	52995	35885
5299506	56345		3350	52995	35543
5299506	56345		3350	52995	35194
5299506	56345		3350	52995	34838
5299506	56345		3350	52995	34475
5299506	56345		3350	52995	34104
5299506	56345		3350	52995	33727
5299506	56345		3350	52995	33341
5299506	56345		3350	52995	32948
5299506	56345		3350	52995	32547
5299506	56345		3350	52995	32138
5299506	56345		3350	52995	31721
5299506	56345		3350	52995	31296
5299506	56345		3350	52995	30862
5299506	56345		3350	52995	30419
5299506	56345		3350	52995	25006
5299506	56345		3350	52995	24446
5299506	56345		3350	52995	23875

0.795924 0.005095 0.19898097

Private						America United States of						Surplus or Deficit ()
Year	Property Value	Tax	Schools	Special Districts	County General Fund	Property Value	Tax	Schools	Special Districts	County General Fund	General Fund	
1999	2506038	25189	20048	128	5012	3475584	20854	16598	106	4149	(863)	
2000	2556158	25692	20449	131	5112	3727298	22364	17800	114	4450	(662)	
2001	2607282	26206	20858	134	5215	3640544	21843	17386	111	4346	(868)	
2002	2659427	26730	21275	136	5319	3553791	21323	16971	109	4243	(1076)	
2003	2712616	27265	21701	139	5425	3467037	20802	16557	106	4139	(1286)	
2004	2766868	27810	22135	142	5534	3380284	20282	16143	103	4036	(1498)	
2005	2822205	28367	22578	145	5644	3685907	22115	17602	113	4401	(1244)	
2006	2878649	28934	23029	147	5757	3599153	21595	17188	110	4297	(1460)	
2007	2936222	29513	23490	150	5872	3512400	21074	16774	107	4193	(1679)	
2008	3301868	33188	26415	169	6604	3425646	20554	16359	105	4090	(2514)	
2009	3367905	33852	26943	172	6736	3340218	20041	15951	102	3988	(2748)	
2010	3435263	34529	27482	176	6871	3709662	22258	17716	113	4429	(2442)	
2011	3503968	35219	28032	179	7008	3624234	21745	17308	111	4327	(2681)	
2012	3574048	35924	28592	183	7148	3538806	21233	16900	108	4225	(2923)	
2013	3645529	36642	29164	187	7291	3476816	20861	16604	106	4151	(3140)	
2014	3718439	37375	29748	190	7437	3414881	20489	16308	104	4077	(3360)	
2015	3792808	38122	30342	194	7586	3904453	23427	18646	119	4661	(2924)	
2016	3868664	38885	30949	198	7737	3871278	23228	18487	118	4622	(3115)	
2017	3946037	39662	31568	202	7892	3838104	23029	18329	117	4582	(3310)	
2018	4024958	40456	32200	206	8050	3838104	23029	18329	117	4582	(3468)	
2019	4105457	41265	32844	210	8211	3838104	23029	18329	117	4582	(3629)	
2020	4187567	42090	33501	214	8375	4449414	26696	21248	136	5312	(3063)	
2021	4271318	42932	34171	219	8543	4449414	26696	21248	136	5312	(3231)	
2022	4356744	43791	34854	223	8713	4449414	26696	21248	136	5312	(3401)	
2023	4443879	44666	35551	228	8888	4449414	26696	21248	136	5312	(3576)	
2024	4532757	45560	36262	232	9066	4449414	26696	21248	136	5312	(3753)	
2025	4623412	46471	36987	237	9247	5158091	30949	24633	158	6158	(3089)	
2026	4715880	47400	37727	242	9432	5158091	30949	24633	158	6158	(3274)	
2027	4810198	48348	38482	246	9620	5158091	30949	24633	158	6158	(3462)	
2028	5963540	59941	47708	305	11927	5158091	30949	24633	158	6158	(5769)	
2029	6082811	61140	48662	312	12166	5158091	30949	24633	158	6158	(6007)	
2030	6204467	62362	49636	318	12409	5979641	35878	28556	183	7139	(5270)	
2031	6328557	63610	50628	324	12657	5979641	35878	28556	183	7139	(5518)	

CSU, Chico Research Foundation
California State University, Chico
Chico, California 95929-0870
(530) 898-4044; FAX: (530) 898-6804

April 14, 1999

Glenn County Board of Supervisors
P.O. Box 391
Willows, CA 95988

Kristin Cooper-Carter
Environmental Resource Program
Office of Sponsored Programs
California State University, Chico
Chico, CA 95929-0870

Dear Supervisors Bungarz, Freeman, Hansen, Harris and Mudd,

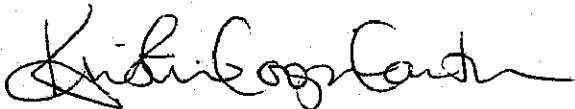
A proposal titled, "Local Economic Impacts of Public Land Acquisitions in the Sacramento River Conservation Area: A Case Study of Glenn County" will be submitted on April 16, 1999 for consideration by the CALFED Bay-Delta Program's Ecosystem Restoration Program and Strategic Plan in response to the 1999 Proposal Solicitation Package.

This proposal is for a comprehensive study of the economic impacts on Glenn County that would result from completion of the Sacramento River Conservation Area (SCRA) meander belt. The proposed study will focus on costs and will include the changes in property tax, special district revenues, agricultural output and employment that would result from further land acquisitions and habitat restoration. The study will also assess the local and regional economic benefits of the creation of the SRCA including recreational benefits, the value of enhanced wildlife populations, increase local spending by anglers and other visitors, and the water quality benefits of creating a buffer zone to absorb the runoff from agricultural operations.

An Executive Summary of this proposal will be forthcoming by the end of the month.

If you have any questions about this proposal, please feel free to call my office at (530) 898-5026.

Sincerely,



Kristin Cooper-Carter, Coordinator
Environmental Resource Center

KCC/lk

CSU, Chico Research Foundation
California State University, Chico
Chico, California 95929-0870
(530) 898-4044; FAX: (530) 898-6804

April 14, 1999

Glenn County Planning Department
John Benoit, Director
125 South Murdock Avenue
Willows, CA 95988

Kristin Cooper-Carter, Director
Environmental Resource Program
Office of Sponsored Programs
California State University, Chico
Chico, CA 95929-0870

Dear Mr. Benoit,

A proposal titled, "Local Economic Impacts of Public Land Acquisitions in the Sacramento River Conservation Area: A Case Study of Glenn County" will be submitted on April 16, 1999 for consideration by the CALFED Bay-Delta Program's Ecosystem Restoration Program and Strategic Plan in response to the 1999 Proposal Solicitation Package.

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Sincerely,



Kristin Cooper-Carter, Coordinator
Environmental Resource Center

KCC/k



DIVERSIFIED FARMING
"Where Water is King"

COUNTY OF GLENN

ASSESSOR'S OFFICE

COURT HOUSE COMPLEX
516 West Sycamore Street, 2nd Floor
Willows, California 95988
Willows Telephone (530) 934-6402
Orland Telephone (530) 865-1184
FAX: (530) 934-6571



VINCE T. MINTO, C.R.A.
County Assessor

April 7, 1999

Ms Kristin M. Cooper-Carter
Environmental Resource Program
Research Foundation
CSU, Chico, Kendall Room 111
Chico, CA 95929-0870

Dear Kristin;

Please add my support to the request for the Research Foundation at California State University, Chico to do a study measuring the economic impacts of habitat restoration along the Sacramento River in Glenn County.

This information once compiled will be essential in the solution to the long on-going debate over third party impacts. It will provide some facts in an area long dominated by theory and assumptions. Such a study will have statewide importance in a variety of areas.

The Glenn County Assessors Office stands ready to assist in any way to help promote and then complete this economic study.

Sincerely,

Vince T. Minto
Glenn County
Assessor/Clerk-Recorder

VTM/tm



GLENN COUNTY BOARD OF SUPERVISORS

Glenn County Board of Equalization
Air Pollution Control District

April 1, 1999

Ms. Kristin M. Cooper-Carter
Environmental Resource Program
Research Foundation
Chico State University, Chico, Kendall Room 111
Chico, CA 95929-0870

Dear Kristin:

The Glenn County Board of Supervisors supports the request of the Research Foundation at California State University, Chico, to do a study measuring the economic impacts of the creation of the Sacramento River Conservation Area (SRCA).

For many years, Glenn County has been concerned about the effects of the impacts of past and future land acquisitions and habitat restoration on County services and the impacts in agricultural output and employment.

The study, as proposed, would allow Glenn County and other effected counties to measure the impact on these projects and determine if and how mitigation might be instituted.

As in the past studies, Glenn County stands ready to assist in this project.

Very Truly Yours,

GLENN COUNTY BOARD OF SUPERVISORS

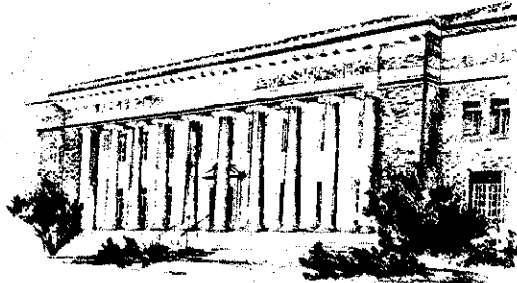
A handwritten signature in cursive script, reading "D. G. Bungarz", is written over a horizontal line.

D. G. Bungarz, Chairman

cc: Burt Bundy, Coordinator
Sacramento River Conservation Area

Board of Supervisors
COUNTY OF TEHAMA

*District 1 - Barbara McIver
District 2 - George Russell
District 3 - Charles Willard
District 4 - Ross Turner
District 5 - Bill Borrer*



Tehama County Courthouse

*Richard Robinson
Chief Administrator*

March 30, 1999

Ms. Kristin M. Cooper-Carter
Environmental Resource Program
Research Foundation
CSU, Chico, Kendall Room 111
Chico, CA 95929-0870

Re: Supporting Chico State University Research Foundation CALFED Application

Dear Ms. Cooper-Carter:

The Tehama County Board of Supervisors supports the request of the Research Foundation at California State University, Chico to do a study measuring the economic impacts of the creation of the Sacramento River Conservation Area (SRCA).

Counties along the Sacramento River have supported the work to preserve and increase riparian habitat but have been concerned about the effects of the impacts of past and future land acquisitions and habitat restoration on county services and the impacts in agricultural output and employment.

The study as proposed would allow affected counties to measure the impact on these projects and determine if and how mitigation might be instituted.

Very truly yours,

Ross M. Turner
Chairman

C: Denny Bungarz, Chair
SB 1086 Advisory Council

APPLICATION FOR FEDERAL ASSISTANCE

1. TYPE OF SUBMISSION <i>Application</i> <input type="checkbox"/> Construction <input checked="" type="checkbox"/> Non-Construction		2. DATE SUBMITTED 4-16-99		Applicant Identifier
		3. DATE RECEIVED BY STATE		State Applicant Identifier
Preapplication <input type="checkbox"/> Construction <input type="checkbox"/> Non-Construction		4. DATE RECEIVED BY FEDERAL AGENCY		Federal Identifier

5. APPLICANT INFORMATION

Legal Name: The CSU, Chico Research Foundation	Organizational Unit:
Address (give city, county, state, and zip code): Kendall Hall, Room 111 CSU, Chico Chico, CA 95929-0870	Name and telephone number of person to be contacted on matters involving this application (give area code) Technical: David Gallo: (530) 898-5232 Budgetary: Kristin Cooper-Carter: (530) 898-5026 Contractual: Virginia Sturr: (530) 898-4044

6. EMPLOYER IDENTIFICATION NUMBER (EIN):

6	8	-	0	3	8	6	5	1	8
---	---	---	---	---	---	---	---	---	---

7. TYPE OF APPLICANT: (enter appropriate letter in box) I

A. State	H. Independent School Dist.
B. County	I. State Controlled Institution of Higher Learning
C. Municipal	J. Private University
D. Township	K. Indian Tribe
E. Interstate	L. Individual
F. Intermunicipal	M. Profit Organization
G. Special District	N. Other (Specify) _____

8. TYPE OF APPLICATION:
☒ New ☐ Continuation ☐ Revision
 If Revision, enter appropriate letter(s) in box(es):
 A. Increase Award B. Decrease Award C. Increase Duration
 D. Decrease Duration Other (specify): _____

9. NAME OF FEDERAL AGENCY:
 CALFED

10. CATALOG OF FEDERAL DOMESTIC ASSISTANCE NUMBER:

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 TITLE: Local Economic Impacts of Public Land Acquisition

11. DESCRIPTIVE TITLE OF APPLICANT'S PROJECT:
 Local Economic Impacts of Public Land Acquisitions in the Sacramento River Conservation Area: A Case Study of Glenn County

12. AREAS AFFECTED BY PROJECT (cities, counties, states, etc.):
 Glenn County

13. PROPOSED PROJECT:

Start Date October 1, 1999	Ending Date March 30, 2001
--------------------------------------	--------------------------------------

14. CONGRESSIONAL DISTRICTS OF:

a. Applicant 2	b. Project 3
--------------------------	------------------------

15. ESTIMATED FUNDING:

a. Federal	\$	63,029.00
b. Applicant	\$.00
c. State	\$.00
d. Local	\$.00
e. Other	\$.00
f. Program Income	\$.00
g. TOTAL	\$	63,029.00

16. IS APPLICATION SUBJECT TO REVIEW BY STATE EXECUTIVE ORDER 12372 PROCESS?
 a. YES. THIS PREAPPLICATION/APPLICATION WAS MADE AVAILABLE TO THE STATE EXECUTIVE ORDER 12372 PROCESS FOR REVIEW ON:
 DATE _____
 b. NO. ☒ PROGRAM IS NOT COVERED BY E.O. 12372
☐ OR PROGRAM HAS NOT BEEN SELECTED BY STATE FOR REVIEW

17. IS THE APPLICANT DELINQUENT ON ANY FEDERAL DEBT?
☐ Yes If "Yes," attach an explanation. ☒ No

18. TO THE BEST OF MY KNOWLEDGE AND BELIEF, ALL DATA IN THIS APPLICATION/PREAPPLICATION ARE TRUE AND CORRECT. THE DOCUMENT HAS BEEN DULY AUTHORIZED BY THE GOVERNING BODY OF THE APPLICANT AND THE APPLICANT WILL COMPLY WITH THE ATTACHED ASSURANCES IF THE ASSISTANCE IS AWARDED.

a. Typed Name of Authorized Representative Jeff Wright	b. Title Director, Office of Sponsored Programs	c. Telephone number 530-898-5700
d. Signature of Authorized Representative 		e. Date Signed 4/13/99

BUDGET INFORMATION - Non-Construction Programs

SECTION A - BUDGET SUMMARY

Grant Program Function or Activity (a)	Catalog of Federal Domestic Assistance Number (b)	Estimated Unobligated Funds		New or Revised Budget		
		Federal (c)	Non-Federal (d)	Federal (e)	Non-Federal (f)	Total (g)
1. Data Collection	N/A	\$	\$	\$20,423	\$	\$20,423
2. Model Refinement	N/A			\$18,043		\$18,043
3. Benefit Estimates	N/A			\$8,744		\$8,744
4. Project Management	N/A			\$15,819		\$15,819
5. TOTALS	N/A		\$0	\$63,029	\$0	\$63,029

SECTION B - BUDGET CATEGORIES

6. OBJECT CLASS CATEGORIES	GRANT PROGRAM, FUNCTION OR ACTIVITY				Total (5)
	(1) Data Collection	(2) Model Refinement	(3) Benefit Estimates	(4) Project Management	
a. Personnel	\$5,100	\$7,120	\$5,580	\$8,520	\$26,320
b. Fringe Benefits	\$612	\$854	\$670	\$1,022	\$3,158
c. Travel	\$159	\$79	\$0	\$79	\$317
d. Equipment	\$2,410	\$0	\$0	\$0	\$2,410
e. Supplies	\$0	\$0	\$150	\$563	\$713
f. Contractual	\$10,000	\$7,000	\$0	\$2,057	\$19,057
g. Construction	\$0	\$0	\$0	\$0	\$0
h. Other	\$0	\$0	\$0	\$0	\$0
i. Total Direct Charges (sum of 6a-6h)	\$18,281	\$15,053	\$6,400	\$12,241	\$51,975
j. Indirect Charges	\$2,142	\$2,990	\$2,344	\$3,578	\$11,054
k. TOTALS (sum of 6i and 6j)	\$20,423	\$18,043	\$8,744	\$15,819	\$63,029
7. PROGRAM INCOME	\$0	\$0	\$0	\$0	\$0

SECTION C - NON FEDERAL RESOURCES				
(a) Grant Program	(b) Applicant	(c) State	(d) Other sources	(e) TOTALS
8. Data Collection	\$0	\$0	\$0	\$0
9. Model Refinement				\$0
10. Benefit Estimates				\$0
11. Project Management				\$0
12. TOTALS (sum of lines 8 and 11)	\$0	\$0	\$0	\$0

SECTION D - FORECASTED CASH NEEDS					
	Total for 1st Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
13. Federal	\$51,402	\$18,234	\$8,657	\$12,256	\$12,255
14. NonFederal	\$0	\$0	\$0	\$0	\$0
15. TOTAL (sum of lines 13 and 14)	\$51,402	\$18,234	\$8,657	\$12,256	\$12,255

SECTION E - BUDGET ESTIMATES OF FEDERAL FUNDS NEEDED FOR BALANCE OF THE PROJECT				
(a) Grant Program	FUTURE FUNDING PERIODS (YEARS)			
	(b) First	(c) Second	(d) Third	(e) Fourth
16. Data Collection	\$0			
17. Model Refinement	\$0			
18. Benefit Estimates	\$0			
19. Project Management	\$11,627			
20. TOTALS (sum of lines 16 - 19)	\$11,627	\$0	\$0	\$0

SECTION F - OTHER BUDGET INFORMATION			
21. Direct Charges:	\$51,975	22. Indirect Charges	\$26,320 Base (Salaries & Wages)
			\$11,054 Total Indirect (42% of S&W)
23. Remarks			

CSU, Chico Research Foundation
California State University, Chico
Chico, California 95929-0870
(530) 898-4044; FAX: (530) 898-6804

Indirect costs are those costs that cannot by their nature be specified on a project by project basis in the same way that line item direct costs can. Generally, indirect costs are those that support project activities, as compared to those that are directly related to specific project tasks. Universities establish an indirect cost rate with the Federal Government by following the appropriate provisions of OMB Circular A-21. This circular was officially modified and reissued on May 8, 1996, which, among other things, changed the term "indirect costs" to "Facilities and Administrative (F&A) Costs." The circular spells out two methods for determining such costs. We use the "Simplified Method" for institutions with less than \$10 million in awards annually from the Federal Government. Currently, we have two rates approved by our Health and Human Services Regional Office (Region IX) contacts: 42% of salaries and wages for on-campus projects and 18.5% of salaries and wages for off-campus projects. May Wong (415-556-1704) is our contact and can provide you with verification of our rate which her office approves after reviewing our financial statements.

Typically indirect costs are intended to generally cover costs such as facilities (including the space itself as well as utilities and janitorial services), general administration, insurance, "infrastructure" (for instance, availability of such resources as library holdings and other resources--e.g., access to electronic databases, communication links, computing backbone, and the like), grant and contract management services, cost of advancing funds for projects which pay in arrears and similar costs.

U.S. Department of the Interior

**Certifications Regarding Debarment, Suspension and
Other Responsibility Matters, Drug-Free Workplace
Requirements and Lobbying**

Persons signing this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions - The prospective primary participant further agrees by submitting this proposal that it will include the clause titled, "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. See below for language to be used; use this form for certification and sign; or use Department of the Interior Form 1954 (DI-1954). (See Appendix A of Subpart D of 43 CFR Part 12.)

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions - (See Appendix B of Subpart D of 43 CFR Part 12.)

Certification Regarding Drug-Free Workplace Requirements - Alternate I. (Grantees Other Than Individuals) and Alternate II. (Grantees Who are Individuals) - (See Appendix C of Subpart D of 43 CFR Part 12)

Signature on this form provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of the Interior determines to award the covered transaction, grant, cooperative agreement or loan.

**PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters -
Primary Covered Transactions**

CHECK ☒ IF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

**PART B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion -
Lower Tier Covered Transactions**

CHECK ☐ IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

PART C: Certification Regarding Drug-Free Workplace Requirements

CHECK ☒ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL.

Alternate I. (Grantees Other Than Individuals)

A. The grantee certifies that it will or continue to provide a drug-free workplace by:

- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- (b) Establishing an ongoing drug-free awareness program to inform employees about--
 - (1) The dangers of drug abuse in the workplace;
 - (2) The grantee's policy of maintaining a drug-free workplace;
 - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
 - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
- (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will --
 - (1) Abide by the terms of the statement; and
 - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
- (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification number(s) of each affected grant;
- (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted --
 - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
 - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
- (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a) (b), (c), (d), (e) and (f).

B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, state, zip code)

Glenn County

Check ☐ if there are workplaces on file that are not identified here.

PART D: Certification Regarding Drug-Free Workplace Requirements

CHECK ☐ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL.

Alternate II. (Grantees Who Are Individuals)

- (a) The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
- (b) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

PART E: Certification Regarding Lobbying
Certification for Contracts, Grants, Loans, and Cooperative Agreements

CHECK IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT; SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.

CHECK IF CERTIFICATION IS FOR THE AWARD OF A FEDERAL LOAN EXCEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN.

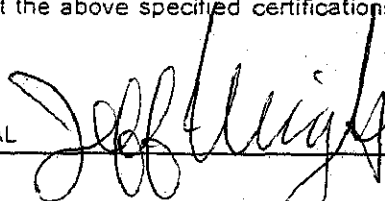
The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

As the authorized certifying official, I hereby certify that the above specified certifications are true.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL



TYPED NAME AND TITLE

Jeff Wright, Director, Office of Sponsored Programs

DATE

4-12-99

ASSURANCES - NON-CONSTRUCTION PROGRAMS

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0040), Washington, DC 20503.

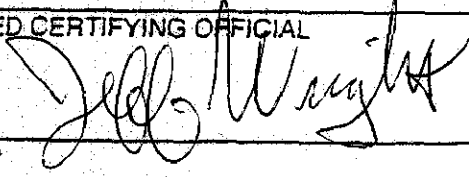
**PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET.
SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.**

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the awarding agency. Further, certain Federal awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project cost) to ensure proper planning, management and completion of the project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, through any authorized representative, access to and the right to examine all records, books, papers, or documents related to the award; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
4. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
5. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards for merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
6. Will comply with all Federal statutes relating to nondiscrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681-1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended, relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and, (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.
7. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal or federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
8. Will comply, as applicable, with provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.

9. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333), regarding labor standards for federally-assisted construction subagreements.
10. Will comply, if applicable, with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
11. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) Implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
12. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
13. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq.).
14. Will comply with P.L. 93-348 regarding the protection of human subjects involved in research, development, and related activities supported by this award of assistance.
15. Will comply with the Laboratory Animal Welfare Act of 1966 (P.L. 89-544, as amended, 7 U.S.C. §§2131 et seq.) pertaining to the care, handling, and treatment of warm blooded animals held for research, teaching, or other activities supported by this award of assistance.
16. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
17. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
18. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL		TITLE
Jeff Wright 		Director, Office of Sponsored Programs
APPLICANT ORGANIZATION		DATE SUBMITTED
The CSU, Chico Research Foundation		4-16-99